



THE AMAZING LIGHT WORKSHOP



Dear Educator:

Thank you for choosing to bring your students to the Planetarium.

When you arrive, check in at the box office on the Planetarium level. For payment, you will be required to know the exact number of students and adults in your group.

Store outerwear, lunches, backpacks, etc, in the cloakroom in the lower level. No backpacks in the Planetarium. The Manitoba Museum is not responsible for loss or theft; valuables should be left at home or school.

For further information, please visit our website www.manitobamuseum.ca or call 988-0626.

Visiting the Planetarium

The Planetarium Star Theatre immerses the audience in the darkest night skies, takes us on adventures to other planets and moons or even on a journey inside a living cell.

Our staff will greet you outside the Planetarium, reiterate the rules and seat you in the theatre. Feel free to discuss the expectations with your class prior to arriving at The Manitoba Museum.

Planetarium Rules

1. Food and drink are not allowed in the Planetarium. No gum, please.
2. Please refrain from talking during the show out of respect for others in the theatre.
3. Please turn off cell phones.
4. Photography is not permitted during the planetarium show.
5. Do not put your feet on your seat, or the seat in front of you, please.

Class control remains the teacher's responsibility.

Grade: 4
Cluster: Light
Duration: 45 minute show
1 hour workshop

Program Outline:

This program begins in the planetarium with a live presentation about light, in the format of a talk show. Featuring plenty of interaction with the audience, the multimedia show is a great introduction or summary for the light cluster.

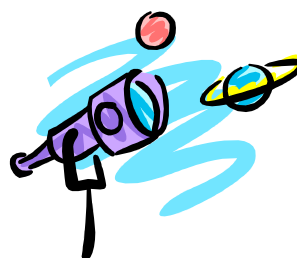
Following the planetarium portion, working in pairs, the students take part in a hands-on workshop about light. Experiments and activity focus on reflection and refraction and ends with the students each building a kaleidoscope to further their discoveries about light (Curriculum outcome 4-2-14).

Note: you may find it helpful to bring a box or bag to store the kaleidoscopes in, especially if you have lunch or another program.

Vocabulary:

Here is a list of words used during this Planetarium show:

Light, energy, reflection, refraction, transparent, translucent, opaque, science, lens, concave, convex, Sun, astronomer, eyeglasses, prism, spectrum.



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